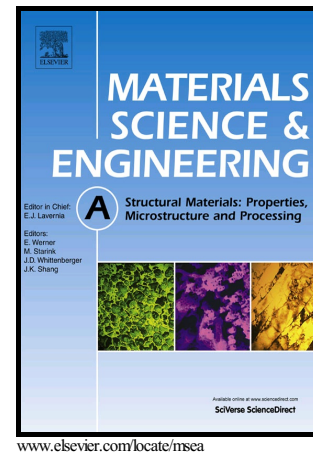


Author's Accepted Manuscript

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PII: S0921-5093(18)31161-4
DOI: <https://doi.org/10.1016/j.msea.2018.08.085>
Reference: MSA36856

To appear in: *Materials Science & Engineering A*

Received date: 13 July 2018
Revised date: 23 August 2018
Accepted date: 24 August 2018

Cite this article as: B. Wang, P. Zhang, R. Liu, Q.Q. Duan, Z.J. Zhang, X.W. Li and Z.F. Zhang, An optimization criterion for fatigue strength of metallic materials, *Materials Science & Engineering A*, <https://doi.org/10.1016/j.msea.2018.08.085>

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An optimization criterion for fatigue strength of metallic materials

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Abstract

In this study, a criterion for optimizing the fatigue strength of metallic materials is proposed, and verified by many experimental results. The strategy for optimizing the fatigue strength is to continuously increase the ultimate tensile strength (UTS) under the condition of keeping certain work-hardening abilities. It is found that the

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